CER: A Handy Tool for the Civil Engineer

Helena Klein

Civil Engineering Library, Lund Institute of Technology

at Lund University, Sweden

CER - Civil Engineering Resources

A collection of 500 selected Internet Resources

focused on building and construction engineering

URL: www.ldc.lu.se/lthvbibl/civ-www.htm

The purpose of CER

aims to provide a service that can be used

- ✓ as a handy tool and a time saving "mega-bookmark"
- ✓ as a guide and starting point on Internet for further searching
- ✓ as a way of discovering and exploring new and interesting websites

CER - CATEGORIES 1 / 3

Research / Education

- universities and civil engineering programmes

International Organizations

- associations, research institutes, societies, councils, etc.

Swedish Building Trade

- professional associations, companies, marketplaces, etc.

CER - CATEGORIES 2 / 3

Miscellaneous Subject-Based Topics

- e.g. bridges, construction, building materials, environment, etc.

Useful Tips and Tools

- e.g. images, softwares, glossaries, educational resources, fun stuff, etc.

Civil Engineering Events

- conferences, seminars, projects, events calendars, etc.

CER - CATEGORIES 3 / 3

Information Sources - for searches on your own

- search guides, databases, other CE collections, etc.

Discussion Forums

- mailing lists and news groups, etc.

Civil Engineering Journals on Internet

- table-of-contents, abstracts or full text, etc.

Usage statistics 80 053 visits
January - September 1998

The Library

Seal of APPROVAL
ArgusClearinghouse
LookSmart editor's choice

Biblioteket Bygg
Civil Engineering Library

School of Civil Engineering - Lund Institute of Technology - Lund University

500+ Civil Engineering Resources
Focused on Building and Construction Engineering

Updated/revised 27 September 1998 by Helena Klein
The pages are best viewed in 800x600 screen resolution

You'll find, as a help for you, **brief descriptions** to the most of the resources, both in Swedish and English when needed.

This "goldstar" marks the **"outstanding"** resources that are especially useful or informative and absolutely worth a visit.

Table of Contents

Research / Education Civil Engineering Research/Education at Lund University + universities and CE Programmes world-wide	**Organisations...** Research Institutes, Associations, Societies, Councils etc. world-wide in alphabetical order	**Swedish Building Trade** Professional Associations and Societies, Companies, Meeting- and Marketplaces, Yellow Pages...
Miscellaneous Bridges, Building & Construction, Wood/Forestry,Cement/Concrete, Masonry, Steel etc., Environment etc.	**Discussion Forums** Newsgroups and Mailinglists for Civil Engineers, incl. brief descriptions and useful links for searches...	**Information Sources** Databases, Information Services, + Guides and other Civil Engineering Indices for your help
Civ. Eng. Events Selection of Conferences, Seminars, Exhibitions...browse through several Events Calendars on the Net...	**Useful Tips / Tools** for your CE Research / Studies e.g. Glossaries, Softwares, Images, Courses,Job Vacancies + Fun Stuff	**Civ. Eng. Journals** on Internet, and links to the wellknown publishers + searchable indices and article databases...

URL: www.ldc.lu.se/lthvbibl/civ-www.htm

- Biblioteket Bygg
Civil Engineering Library

School of Civil Engineering - Lund Institute of Technology - Lund University

All Civil Engineering Pages:

- Research/Education
- Organisations
- Swed. Build. Trade
- Miscellaneous
- Discussions
- Information
- Civ Eng Events
- Useful Tips/Tools
- Civ Eng Journals
- Back to Start Page

Civil Engineering Journals on Internet
+ links to publishers, other indices and archives for table-of-contents, abstracts or fulltext...

OBS! Based on the *current subscriptions* , for our school:
* Building Physics * Building Materials * Construction Management
* Geotechnology * Structural Engineering * Structural Mechanics
* Engineering Acoustics & * Water Resources Engineering.
- ***Other lists:*** + Traffic Planning & Eng. & Fire Safety Eng.

Updated / revised: 9 August 1998 (150 journals, 25 services)
by Helena Klein Civil Engineering Library, Lund University, Sweden.

A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, / or check the 27 Swedish journals

The current subscriptions A - W

- ACI Materials Journal
- ACI Structural Journal
- Advanced Cement Based Materials
- Advances in Cement Research
- Advances in Engineering Software and Workstations
- Ambio - a journal of the human environment
- Applied Acoustics
- Applied Mechanics Reviews (ASME)
- Aqua : Journal of water supply research and technology
- ASCE:s all 27 journals
- Bauingenieur mit Bauinformatik
- Bauphysik
- Bautechnik
- Beton- und Stahlbetonbau
- Boreal Environment Research
- Building and Environment
- Building Research and Information
- BYTE
- Canadian Geotechnical Journal
- Cement and Concrete Composites
- Cement and Concrete Research
- Civil Engineering. New York (ASCE)
- Computer Methods in Applied Mechanics and Engineering
- Computers and Structures
- Concrete Abstracts (ACI)
- Concrete International: design and construction (ACI)
- Concrete Quarterly (BCA)
- Construction and Building Materials
- Energy and Buildings
- Finite Elements in Analysis and Design
- First Break (EAGE)
- Forest Products Journal
- Geology Today
- Geophysical Prospecting
- Geophysics (SEG)
- Géotechnique
- Ground Water (NGWA)
- Heron (Delft)
- Holz als Roh- und Werkstoff
- Holzforschung
- Hydrogeology Journal
- Hydrological Sciences Journal (IAHS)
- International Journal for Numerical Methods in

Search journals and articles on your own...

UnCover CARL/UNCOVER
"A **free database**, you only pay for the articles you order. UnCover is an online article delivery service, a table of contents database, and a keyword index to nearly **17,000 periodicals**, over seven million articles are available through a simple online order system, The UnCover Reveal Alert service **delivers tables of contents** from the latest periodical issues directly **to your e-mail box**" (*Highly recommended*)

- UnCover Title and Subject Lists

"You can **easily browse** through the list to check whether a specific journal is present or not **before you access Uncover...**" (incl. ISSN-number- useful to know)

- ASCE Civil Engineering Database (CEDB)

"is designed to provide easy bibliographic access to **all ASCE publications**. The database covers ASCE documents **published since 1975**. It provides access to all the journals, conference proceedings, books, standards, manuals, magazines, and newsletters." **All included with abstracts!**

- Science Journals Electronic Database

by Korea Basic Science Institute! (Great source) Their database indexes more than **5.200 scientific and technical journals**. You can visit the individual **home page of all journals** of this database by clicking on the journal titles. Each journal has its own page detailing journal information."

EEVL, Edinburgh Engineering Virtual Library provides a list of more than 400 links to engineering journals, incl. descriptions of each journal...Besides The Engineering E-journal Search Engine (EESE.)an index to over 100 UK and non-UK engineering e-journals, free availability in full-text. **(Highly recommended source!)**

New Jour NewJour; Electronic Journals and Newsletters (**Complete archive of more than 6000**)Search announcements of new electronic journals as posted on the NewJour mailing list.
Subscribe and announce to the Newjour mailinglist

Engineering
- International Journal of Adhesion and Adhesives
- The International Journal of Computer-Integrated Design and Construction (CIDAC)
- International Journal of Damage Mechanics
- International Journal of Plasticity
- International Journal of Project Management
- International Journal of Solids and Structures
- International Underwater Systems Design
- Journal of Aerospace Engineering (ASCE)
- Journal of Applied Mechanics/Transactions of the ASME
- Journal of Architectural Engineering (ASCE)
- Journal of Bridge Engineering (ASCE)
- Journal of Coastal Conservation (EUCC)
- Journal of Cold Regions Engineering (ASCE)
- Journal of Computing in Civil Engineering (ASCE)
- Journal of Construction Engineering and Management (ASCE)
- Journal of Energy Engineering (ASCE)
- Journal of Engineering Mechanics (ASCE)
- Journal of Environmental Engineering (ASCE)
- Journal of Geotechnical & Geoenvironmental Engineering (ASCE)
- Journal of Hydraulic Engineering (ASCE)
- Journal of Hydraulic Research (JHR)
- Journal of Hydrologic Engineering (ASCE)
- Journal of Hydrology
- Journal of Hydrology and Hydromechanics
- Journal of Infrastructure Systems (ASCE)
- Journal of Irrigation and Drainage Engineering (ASCE)
- Journal of Management in Engineering (ASCE)
- Journal of Materials in Civil Engineering (ASCE)
- Journal of Performance of Constructed Facilities (ASCE)
- Journal of Professional Issues in Engineering Education (ASCE)
- Journal of Sound and Vibration
- Journal of Structural Engineering (ASCE)
- Journal of Surveying Engineering (ASCE)
- The Journal of the Acoustical Society of America
- Journal of the Audio Engineering Society
- Journal of Transportation Engineering (ASCE)
- Journal of Urban Planning and Development (ASCE)
- Journal of Water Resources Planning and Management (ASCE)
- Journal of Waterway, Port, Coastal and Ocean Engineering (ASCE)
- The Leading Edge (TLE)
- The Log Analyst (SPWLA)
- Magazine of Concrete Research
- Materials and Structures: Research and Testing (RILEM)
- Mechanics of Materials
- Nordic Hydrology - An International Journal
- Operations Forum (WEF)
- Otto Graf Journal (FMPA)
- Practise Periodical on Structural Design and Construction (ASCE)
- Proceedings of the Institution of Civil Engineers/ICE:(6 parts) -
- Part 1: Civil Engineering
- Part 2: Municipal Engineer
- Part 3: Structures and Buildings
- Part 4: Transport

Elsevier Elsevier Science// Tables of Contents

"Elsevier Science provides a number of **alerting and awareness services** in support of its journal publishing programme. Most are available free of charge, some are only available to those at subscribing institutions. **ContentsSearch**, formerly ESToC (Elsevier Science Tables of Contents), provides online tables of contents for more than 1,000 Elsevier ScienCiv Eng Journals... **ContentsDirect**, the e-mail service which delivers journal tables of contents pages directly to your PC"

Ernst & Sohn Verlag (VCH Group)

"The publishing house of Ernst & Sohn was founded in 1851 as "Ernst & Korn". It specialized in architecture and technical sciences and published basic literature on the then rapidly growing building trade...."From July 1, 1983, Ernst & Sohn has been part of the VCH Publishing Group." **View the table of contents of the journals** and order free sample copy of the journal...

Springer Springer Science Online// LINK Alert

From the site: "As soon as a new issue of a journal you are interested in is available via LINK, you will automatically receive: **The table of contents incl. links to the respective abstracts.** Access to the abstracts is **free of charge**. However if you would like to retrieve a complete article, you or the institution you are affiliated with must have a subscription..."

Thomas Telford Publications

Thomas Telford Journals online
- *wholly owned by Inst.of Civil Engineers*

"**Abstract Alert and Contents Update** can be used **FREE OF CHARGE.** All we ask is that you fill in a short registration form prior to use. **Search abstracts** of all papers in all our journals published since January 1996 by author, title or any word contained within the abstract. **Subscribers to our journals** can then go on to **download full text versions** of our papers free of charge. Contents of current and forthcoming issues are displayed up to two weeks prior to publication."

Links to all known Publishers' Home Pages

Faxon Guide to Serials Online "The online version of the Faxon Guide to Serials. Search by title, publisher, ISSN and more...and Publisher Links A-Z etc. etc.

Some information & subscription services:
BTJ/// EBSCO/// SWETS/// Wennergren & Williams

The Swedish Ass. of Business and Specialized Press **Sveriges Tidskrifter** (tid. Fackpressen). Sökbart register över **drygt 300 fack- och specialtidningar** med info om adress för prenumeration, annonspriser, målgrupper, spridning, upplaga etc.

- Part 5: Water Maritime and Energy
- Part 6: Geotechnology
- The Quarterly Journal of Engineering Geology
- Soil Science :An Interdisciplinary Approach to Soils Research
- Der Stahlbau
- Structural Engineering International (IABSE)
- Structural Safety
- Swedish Building Research (BFR)
- Transport in Porous Media
- Wasser Boden: Zeitschrift für Wasser- und Abfallwirtschaft
- Water Environment Research
- Water Environment & Technology (WEF)
- Water Quality International (IAWQ)
- Water Research (IAWQ)
- Water Resources Research (AGU)
- Water Science and Technology (IAWQ)
- Vatten / Water (Tidskrift för vattenvård)
- Wood and Fiber Science (SWST)
- Wood Design Focus (FPS)
- Wood Science and Technology
- World Water and Environmental Engineering

Journals in Swedish only:

OBS! Some journals only provide brief information

- Betong (Sv. Betongför.)
- Borrsvängen (Geotec)
- Bygg & Teknik
- Byggfakta Projektnytt
- Byggforskning, Tidskr. (BFR)
- ByggGlas: branchtidning om glas och metall
- Byggindustrin
- Computer Sweden
- Datateknik
- Energi & Miljö
- Fastighetstidningen
- Forskning och Framsteg
- Golv till Tak
- Husbyggaren (SBR)
- Nordisk Infrastruktur
- Nordisk Träteknik
- Nya Vetskap - nyhetsbrevet som informerar om aktuell forskning i notisform
- Ny Teknik
- Planera Bygga Bo
- Projektforum
- Svensk Papperstidning/Nordisk Cellulosa
- Teknik & vetenskap (TFR)
- Träindustrin
- Träinformation
- V-byggaren inkl Lillbladet (SVR)
- VAV-Nytt (Vatten- och Avloppsverksför.)
- VVS-Forum

Tidskrifter hos V-Biblioteket Bygg
(journals by 4 depts. in our library)

What is ISSN: International Standard Serial Number
Read all about it at: ISSN Sweden: National Bibliographic Service. Periodical Division Department of Collection Development and Documentation The Royal Library, National Library of Sweden. **Links to: Official ISSN Paris and National ISSN Centres...**

To be continued...

Other collections of journals (in all subjects)

- Electronic journals and libraries: a resource page
Very useful source by UB2, Lund University Library.
- Serials in Cyberspace: Collections, Resources, and Services comprehensive index by Univ. of Vermont.
- Indexes, Abstracts, Bibliographies, and Table of Contents Services by University of Houston Libraries.
- BUBL Journals "Contents, abstracts or full texts of 220 current journals and newsletters"
- The Directory of Computing Science Journals
"Now 522 journals, with 414 publisher's title pages, 226 tables of contents, 65 abstracts directories, 112 home pages, 159 bibliographies, 16 full-text archives and on-line journals, and other information."
- Computer Science Journals
by Bereichsbibliothek Informatik (BI), Dortmund "Within this service you can inspect the contents of about 180 computer science related journals."

Some on-line journals in fulltext of interest:

BRE News of Construction Research
BRE News is issued 5 times a year, in February, April, June, October and December. It is also availble here on the internet as Adobe Acrobat (R) PDF files..."

BUILDINGS OnLine!
BUILDINGS Magazine regularly delivers the latest news and trends in the commercial / institutional property management professions!"

International Journal of Design Computing
"The International Journal of Design Computing is a refereed journal that is published on the World Wide Web and will be archived by the University of Sydney Library...The journal articles are peer reviewed and have a forum for discussion for a period of six months after the article is published...

ITcon -The Electronic Journal of Information Technology in construction "is a peer-reviewed scholarly journal on the use of IT in construction. Articles are submitted and published electronically in printable and hypertext formats and distributed internationally over the Internet."

NDT -The online Journal of Nondestructive Testing & Ultrasonics "The Journal focus on Nondestructive Testing (NDT) especially on Ultrasonic Testing (UT) which is a widely used Method."

New Steel Online
is the leading trade magazine of the steel industry. "Founded in 1855 as Iron Age and redesigned in 1993 as New Steel, we report on the technology, management, labor, trade, and business of U.S. and world metals producers."

The Nordic Journal of Building Physics
- *Acta physica aedificiorum*. "The main topics are heat and mass transfer problems applied to buildings and building constructions. This journal contains electronically published reviewed articles that are fully accessible via World Wide Web."

	EESE, The Engineering E-journal Search Engine is a searchable index to over 100 UK and non-UK engineering e-journals, free availability in full-text.
	Top of the page

OTHER PARTS

1. Research/Education	2. Organisations	3. Swedish Building Trade
4. Miscellaneous	5. Discussion Groups	6. Information Sources
7. Civ Eng Events...	8. Useful Tips/Tools	9. Civ Eng Journals...

BACK TO INDEX